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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/980,375	11/29/2001	Ze'ev Ganor	013/02472	1331
26418	7590 07/15/2004		EXAM	INER
REED SMITH, LLP			BUDD, MARK OSBORNE	
ATTN: PATENT RECORDS DEPARTMENT 599 LEXINGTON AVENUE, 29TH FLOOR			ART UNIT	PAPER NUMBER
NEW YORK, NY 10022-7650			2834	

DATE MAILED: 07/15/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	09/980,375	GANOR ET AL.				
Office Action Summary	Examiner	Art Unit				
	Mark Budd	2834				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period we Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1)⊠ Responsive to communication(s) filed on <u>24 May 2004</u> .						
2a) This action is FINAL . 2b) ⊠ This	This action is FINAL . 2b)⊠ This action is non-final.					
3) Since this application is in condition for allowan						
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	i3 O.G. 213.				
Disposition of Claims						
4)⊠ Claim(s) <u>1-4,6,7,10-31 and 43-57</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdraw	4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.						
<u> </u>	6) Claim(s) <u>1-4,6,7,10-31 and 43-57</u> is/are rejected.					
· <u>_</u>	7) Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction and/or	election requirement.					
Application Papers						
9)☐ The specification is objected to by the Examiner	r.					
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11)☐ The oath or declaration is objected to by the Exa	aminer. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) ☐ All b) ☐ Some * c) ☐ None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
oco uno attached detalled Office action for a list of the certified copies not received.						
Attachment(s)						
1) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date						
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	5) Notice of Informal Pa	желт Application (РТО-152)				

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The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-4, 6, 7, 10-31 and 43-57 are rejected under 35 U.S.C. 103(a) as being unpatentable over Zumeris (140) in view of lino.

Zumeris (140) teaches a single slab of piezoelectric material shaped as a rectangular parallelepiped, electrodes on the major surfaces, a contact region and an appropriate power supply (note, e.g. fig. 5). The drive circuit can independently either AC voltages or pulsed D.C. The pulsed voltages are varied to alter the output motion of the coupling member (see col. 7, In 13-col. 3 In 65). Note especially col. 7 In., 53 and col. 8, In 16 which explicitly teach changing the amplitude of the input voltages to control the output movement. Zumeris does not explicitly use a laminated piezo member. However lino (figs. 13 and 2) explicitly teaches using laminated sheets of piezo material to form the note linos prior art fig. 14 is the same as Zumesis fig. 7, thus lino directly teaches improviding a Zumeris type structure by providing a laminated piezo body for increased output. Thus for at least this reason it would have been obvious to one of ordinary skill in the art to construct Zumeris of laminated piezo sheets.

The examiner agrees with applicants carefully detailed indicates only phases are changed and not amplitudes of the drive signal, thus the same elliptical output would be obtained from any input signal. However, Zumeris clearly uses independent drive signals of various amplitudes and types to modify the motor output motion.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark Budd whose telephone number is (703)308-3929. The examiner can normally be reached on (571)2019 from 6am to 4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, D. Schuberg can be reached on (571)272-2044. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Budd/ds

07/06/04

PRIMARY EXAMINER